

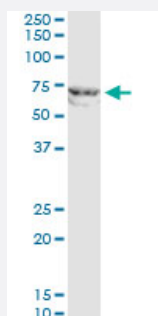
MaxPab®

MMP12 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00004321-D01

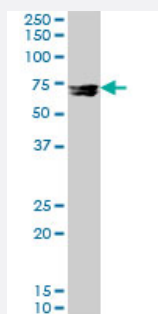
Size 100 uL

Applications



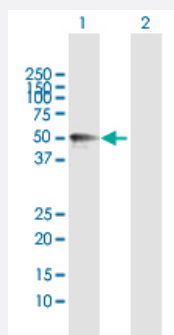
Western Blot (Cell lysate)

MMP12 MaxPab rabbit polyclonal antibody. Western Blot analysis of MMP12 expression in PC-12.



Western Blot (Cell lysate)

MMP12 MaxPab rabbit polyclonal antibody. Western Blot analysis of MMP12 expression in HeLa.

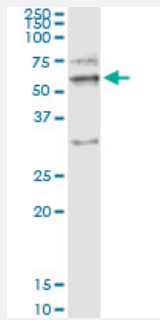


Western Blot (Transfected lysate)

Western Blot analysis of MMP12 expression in transfected 293T cell line ([H00004321-T01](#)) by MMP12 MaxPab polyclonal antibody.

Lane 1: MMP12 transfected lysate(54.00 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of MMP12 transfected lysate using anti-MMP12 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with MMP12 purified MaxPab mouse polyclonal antibody (B01P) ([H00004321-B01P](#)).

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human MMP12 protein.
Immunogen	MMP12 (NP_002417.2, 1 a.a. ~ 470 a.a) full-length human protein.
Sequence	MKFLILLLLQATASGALPLNSSTSLEKNNVLFGERYLEKFYGLEINKLPVTKMKYSGNLMKEKIQEM QHFLGLKVTGQLDTSTLEMMHAPRCGVPDVHHFREMPGGPVWRKHYYTYRINNYTPDMNREDVD YAIRKAFQVWSNVTPLKFSKINTGMADILVVFARGAHGDFHAFDGKGGILAHAFGPGSGIGGDAHF DEDEFWTTHSGGTNLFLTAVHEIGHSLGLGHSSDPKAVMFPTYKYVDINTFRLSADDIRGIQSLYGD PKENQRLPNPDNSEPALCDPNLSFDAVTTVGNKIFFFKDRFFWLKVSRPKTSVNLISLWPTLP SGIEAAYEIEARNQVFLFKDDKYWLISNLRPEPNYPKSIHSFGFPNFVKKIDAAVFNPRFYRTYFFVD NQWRYDERRQMMDPGYPKLITKNFQGIGPKIDAVFYSKNKYYYFFQGSNQFEYDFLLQRITKTLKS NSWFGC
Host	Rabbit
Reactivity	Human, Rat
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

MMP12 MaxPab rabbit polyclonal antibody. Western Blot analysis of MMP12 expression in PC-12.

[Protocol Download](#)

- Western Blot (Cell lysate)

MMP12 MaxPab rabbit polyclonal antibody. Western Blot analysis of MMP12 expression in HeLa.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of MMP12 expression in transfected 293T cell line ([H00004321-T01](#)) by MMP12 MaxPab polyclonal antibody.

Lane 1: MMP12 transfected lysate(54.00 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of MMP12 transfected lysate using anti-MMP12 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with MMP12 purified MaxPab mouse polyclonal antibody (B01P) ([H00004321-B01P](#)).

[Protocol Download](#)

Gene Info — MMP12

Entrez GeneID	4321
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GeneBank Accession#	NM_002426
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Protein Accession#	NP_002417.2
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Gene Name	MMP12
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Gene Alias	HME, MGC138506, MME
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Gene Description	matrix metalloproteinase 12 (macrophage elastase)
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Omim ID	601046
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Gene Ontology	Hyperlink
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Gene Summary

Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. It is thought that the protein encoded by this gene is cleaved at both ends to yield the active enzyme, but this processing has not been fully described. The enzyme degrades soluble and insoluble elastin. It may play a role in aneurysm formation and studies in mice suggest a role in the development of emphysema. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq]

Other Designations

macrophage elastase|macrophage metalloelastase|matrix metalloproteinase 12|matrix metalloproteinase 12 (macrophage elastase)

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [alpha 1-Antitrypsin Deficiency](#)
- [Alpha-1-antitrypsin deficiency](#)
- [Amyotrophic lateral sclerosis](#)
- [Anoxia](#)
- [Aortic Aneurysm](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)

- [Colorectal Neoplasms](#)
- [Coronary Aneurysm](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Endometriosis](#)
- [Esophageal Neoplasms](#)
- [Fetal Membranes](#)
- [Fibrosis](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Hepatitis C](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Multiple Sclerosis](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)
- [Obstetric Labor](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Periodontitis](#)

- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Pulmonary Disease](#)
- [Renal Insufficiency](#)
- [Stomach Neoplasms](#)
- [Subarachnoid Hemorrhage](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Varicose Ulcer](#)
- [Werner syndrome](#)